REMEDIAL SITE ASSESSMENT DECISION - EPA REGION II

Site Name: Advanced Chemical Tech. **EPA ID#:** NJD071455141 **State ID#:**

Alias Site Names:

City: Camden **County or Parish:** Camden **State:** NJ

Refer to Report Dated: 94/6/30 **Report type:** SIP

Report developed by: PIRNIE

DECISION:

| X | **1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:**

|X | 1a. Site does not qualify for further remedial site assessment under CERCLA (No Further Remedial Action Planned - NFRAP)

| | 1b. Site may qualify for further action, but is deferred to:

| | **2. Further Assessment Needed Under CERCLA:**

2a. Priority: | | Higher | | Lower

2b. Other: (recommended action) none

DISCUSSION/RATIONALE: Site manufactures plastic industrial containers. Substances of concern include: ethylene glycol (used in process, but not detected in on-site soils or groundwater); petroleum hydrocarbons (found in soils, but not evaluated due to CERCLA petroleum exclusion); and several metals (found in on-site soils and in upper groundwater aquifer). Three groundwater aquifers lie beneath the site; none of the aquifers are interconnected, because of two confining clay layers that separate each aquifer from the overlying aquifer. A release of metals from the site soils to the uppermost aquifer is suspected, but not documented due to lack of data quality. Groundwater is used for drinking in the area; however, no potable wells are screened in the uppermost aquifer, and 97% of the 4-mile groundwater population is served by the lower aquifer, which is protected from surficial contamination by two clay layers and an intervening middle aquifer. Any potential site-specific releases to surface water cannot be determined because site runoff enters the City of Camden's stormwater drainage system along with runofff from other facilities in the area. A Pennsylvania surface water drinking intake is located 11.1 miles upstream of the site; due to tidal influences on the Delaware River, the intake could have been evaluated, but was not because the extremely high flow rate and associated dilution factors minimize the impact of any releases on upstream receptors. Fisheries and sensitive environments also exist within 15 miles downstream of the site. No residences, schools, daycare or terrestrial sensitive environments exist within 200 feet of site contamination. Over 2100 tons of contaminated soil have been removed and disposed of off-site; post-removal soil and groundwater sampling results resulted in NJDEP's 3/8/91 certification that the site was in full compliance with the State's ECRA program.

Site Decision Made by: Amy J. Brochu Signature: Amy J. Brochu Date: 94/09/29

EPA Form # 9100-3